BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

of Work: Improvements of CC Roads at Ganesha Saw Mill road & its cross roads at ahalli Ward no 15

escription of Item	Unit	No	L	B	D	Est. Cost Rs 20.00 Qty	Lakhs Rate	Amount
RRB M200-24: Dismantling of cement concrete pavement by chanical means using pneumatic tools, breaking of pieces not ceeding 0.02 cum in volume and stock pilling at designated locations d disposal of dismantled materials stacking serviceable and nserviceable materials seperately complete as per specifications. MORTH Specification No. 202 Page No.138, It No 18.47								
For Road	Cum							
2nd Cross		1	20.50	4.80	0.20	19.68		
		1	30.80	2.80	0.20	17.25		
3rd Cross		1	20.50	4.05	0.20	16.61		
		1	21.00	4.50	0.20	18.90		
4th cross		2	20.50	4.35	0.20	35.67		
5th cross		1	19.50	4.10	0.20	15.99		
		1	47.00	3.00	0.20	28.20		
						152.29	827.86	126077.00
Basic Rate	781.00							
Add Area Weightage 6%	46.86							
Total	827.86							
2 SRRB 300 - Excavation for road, drains and similar works - KSRRB 300 1. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.142/I.19.1 PW, P & IWTD -SR 2016-17)								
2nd Cross	Cum	1	20.50	4.80	0.25	24.60		
		1	30.80	2.80	0.25	21.56		
3rd Cross		1	20.50	4.05	0.25	20.76		
		1	21.00	4.50	0.25	23.63		
4th cross		2	20.50	4.35	0.25	44.59		
5th cross		1	19.50	4.10	0.25	19.99		
		1	47.00	3.00	0.25	35.25		
						190.37	86.92	16547.00
Basic Rate	82.00							
Add Area Weightage 6%	4.92							
Total	86.92							

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ption of Item	Unit	No	L	B	D	Qty	Rate	Amount
300-58. Compaction of original ground with maximum of 6 of 8 to 10 tonees power roller including filling in depression g during rolling including cost of all labour, HOM of machinery e as per specifications. No.149, Item no 19.64 SR 2016-17								
2nd Cross	Sqm	1	20.50	4.80		98.40		
		1	30.80	2.80		86.24		
3rd Cross		1	20.50	4.05		83.03		
		1	21.00	4.50		94.50		
4th cross		2	20.50	4.35		178.35		
5th cross		1	19.50	4.10		79.95		
		1	47.00	3.00		141.00		
						761.47	5.30	4036.00
Basic Rate	5.00							
dd Area Weightage 6%	0.30							
Total	5.30							
SRRB M400-17. Providing, laying, spreading and compacting graded ones aggregate to **wet mix macadam** specifications including pre ixing the material with water at OMC in mechanical mix plant arriage of mixed method of tipper to site, laying in uniform layers with aver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 PAge No 158, It No 20.18)								
2nd Cross	Cum	1	20.50	4.80	0.15	14.76		
		1	30.80	2.80	0.15	12.94		
3rd Cross		1	20.50	4.05	0.15	12.45		
		1	21.00	4.50	0.15	14.18		
4th cross		2	20.50	4.35	0.15	26.75		
5th cross		1	19.50	4.10	0.15	11.99		
		1	47.00	3.00	0.15	21.15		
						114.22	1768.08	201950.00
Basic Rate	1668.00							
Add Area Weightage 6%	100.08							
Total	1768.08							
5 KSRB 4-1.3: Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2016-17)								

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Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
2nd Cross	Cum	1	20.50	4.80	0.15	14.76		
		1	30.80	2.80	0.15	12.94		
3rd Cross		1	20.50	4.05	0.15	12.45		
		1	21.00	4.50	0.15	14.18		
4th cross		2	20.50	4.35	0.15	26.75		
5th cross		1	19.50	4.10	0.15	11.99		
		1	47.00	3.00	0.15	21.15		
						114.22	5159.02	589262.00
Basic Rate	4867.00							
Add Area Weightage 6%	292.02							
Total	5159.02							

6 **Cement concrete pavement.** Construction un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.0 design mix M20/M30, with 25mm and down size graded granite metal coarseaggregates and fine aggregtes, with superplastisiser @ 3lts confirming to IS 9103-1999 Reaffirmed-2008 mixed in a concrete mixer of not less than 0.6cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, racke` compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grades as per drawing complete as per specifications.
M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)No 177, Item No 22.61, PWD SR 2016-17

2nd Cross	Cum	1	20.50	4.80	0.15	14.76		
		1	30.80	2.80	0.15	12.94		
3rd Cross		1	20.50	4.05	0.15	12.45		
		1	21.00	4.50	0.15	14.18		
4th cross		2	20.50	4.35	0.15	26.75		
5th cross		1	19.50	4.10	0.15	11.99		
		1	47.00	3.00	0.15	21.15		
						114.22	6217.96	710214.00
Basic Rate	5866.00							
Add Area Weightage 6%	351.96							
Total	6217.96							

7 **Vaccum de-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,Screed Vibratory, Power Floater, blade and disc., with all lead and lift. Page No 177, It No.22.7, PWD SR 2016-17

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Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
2nd Cross	Sqm	1	20.50	4.80		98.40		
		1	30.80	2.80		86.24		
3rd Cross		1	20.50	4.05		83.03		
		1	21.00	4.50		94.50		
4th cross		2	20.50	4.35		178.35		
5th cross		1	19.50	4.10		79.95		
		1	47.00	3.00		141.00		
						761.47	95.40	72644.00
Basic Rate	90.00							
Add Area Weightage 6%	5.40							
Total	95.40							
Providing **groove cutting** for width of 5mm to 10mm and depth 80mm-10mm including cost of cutting machine, generator & HOM of machinary,including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler matel etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. for concrete pavement. It No 22.8.1, Page No.178, PWD SR 2016-17								
	Rmt	36	3.94			141.84		
						141.84	121.90	17290.00
Basic Rate	115.00							
Add Area Weightage 6%	6.90							
Total	121.90							
9 Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.								
	Sqm	37	1.00	0.90	0.60	19.98		
						19.98	1698.00	33926.00
Data Rates Approved								
10 Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 133 Item No. 17.1 PWD SR 2016-17								

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Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Cum	Qty Vide Item No. 1 & 2				342.66	85.65	29348.00
Loading and Unloading Charges	68.00							
Lead 4 KMs 2x1.28x4	12.80							
	80.80							
Add Area Weightage 6%	4.85							
Total	85.65							
						Total		1801294
KRIDL Charges 11%								198142.00
2 Miscellaneous and UnforessenCharges								564.00
							Total	2000000.00

Rupees Twenty Lakhs Only

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary

2 The Estimate is prepared as per the PW,P & IWTD -SR-2016-17

3 The Provision made in estimate are adequate and essential.

4 This area comes under BBMP limits.

Assistant Engineer
Ward No 15

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ಸಂ. EE/DD/AS/629/17-18 ದಿನಾಂಕ : 20.12.17

ರೂ. (RS. 20.00 lakhs) Rupees Twenty lakhs only

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಸಂ. EE/DD/TS/465/17-18 ದಿನಾಂಕ : 20.12.17

ರೂ. (R.S 20.00 lakhs) Rupees Twenty lakhs Only

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬಂಗಳೂರು

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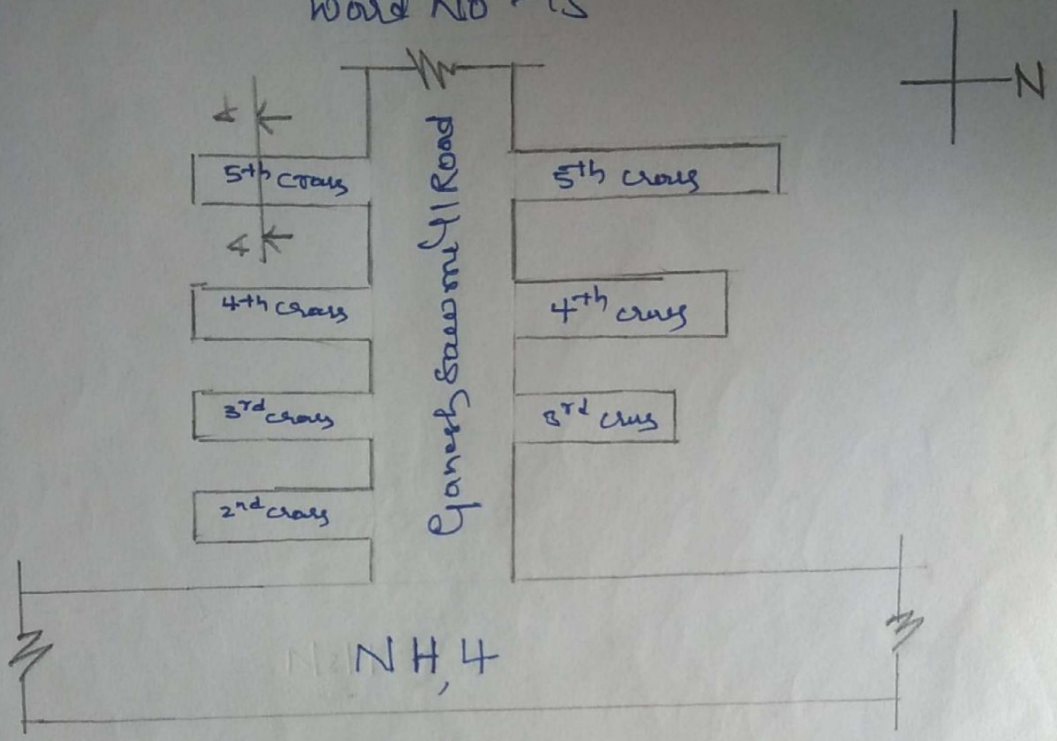
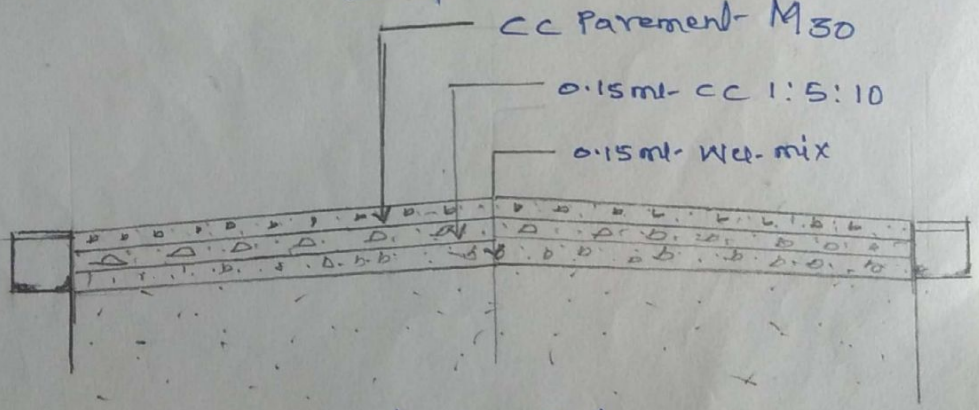
Name of the Work :- Improvements & Construction of CC Road Ganesh Sawmill Road Cross Roads T. Dasara halli Ward No - 15



Key Plan



Section - A A

Asistent- Engineer

Asistent Executive Engineer

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